SPECIES ELECTION CLAIMS (FIG. 4)

I claim:

Claims 1-30 cancelled

31. (new) An internal combustion gas turbine engine for producing high velocity exhaust gases to drive impulse turbines or utilized directly for high speed propulsion comprising:

a rotating pressure vessel with one or more nozzles with a substantially tangential orientation located near the periphery of and in communication with said pressure vessel wherein said nozzles produce reaction thrust torque from single stage expansion of combustion gases through said nozzles;

a compressor of the dynamic type comprised of one or more stages selected from a group including both centrifugal flow and axial flow stages wherein one or more rotor stages are mounted on and powered by an external shell attached directly to said pressure vessel thereby allowing for a rotating means of communication between said pressure vessel and said compressor;

one or more combustors located inside of said rotating pressure vessel;

a means for providing fuel to said combustors;

a means for mixing and combusting said fuel and air in said combustors;

33. (new) The gas turbine of claim 31 wherein one or more stages of said dynamic compressor are of the centrifugal radial flow type with said rotor stages fixed to said external rotating shell.

38. (new) The gas turbine engine of claim 33 wherein said nozzles are oriented substantially toward an impulse turbine of one or more stages wherein the kinetic energy remaining in the gas jets is converted to rotational shaft energy.

41. (new) The engine of claim 38 wherein said impulse turbine is located in a substantially axial direction from said nozzles.

Date: December 2, 2004

Bret Cahill

Appn. No. 10/090,260